

Message

From: Lane, Jackie [Lane.Jackie@epa.gov]
Sent: 3/5/2019 12:28:48 AM
To: Fairbanks, Brianna [Fairbanks.Brianna@epa.gov]; Sanchez, Yolanda [Sanchez.Yolanda@epa.gov]
CC: LEE, LILY [LEE.LILY@EPA.GOV]
Subject: FW: Request for information on radiological release criteria for Hunters Point

Copy you both on this email. FYI

From: Jessica Joyce <gateway.jg26@gmail.com>
Sent: Monday, March 4, 2019 4:19 PM
To: LEE, LILY <LEE.LILY@EPA.GOV>; Lane, Jackie <Lane.Jackie@epa.gov>
Subject: Request for information on radiological release criteria for Hunters Point

Good afternoon,

My name is Jess Joyce, and I'm a health physicist working for a client at the former Hunters Point Naval Station Parcel A. We have been reviewing publicly available information for the site and trying to find agreed-upon release criteria and background values for radionuclides in soil. Can you provide guidance on the EPA's current position?

From what we've encountered, most Hunters Point release documents seem to reference residential soil concentration values from Table 1 of the 2006 Basewide Radiological Removal Action report (i.e. 1.0 pCi/g above background for Ra-226, etc. see below.) Are these values currently appropriate and/or agreed upon by the EPA? Can you point us toward any other documents between the Navy and EPA on screening or release concentrations?

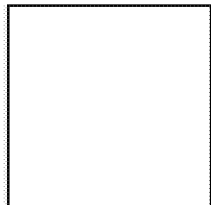
Also, would you have any recommendations for where to find relevant or established site-specific background values? I know there is current work in Parcel G to quantify rad in reference background areas, but we're also curious about past work that would help us provide our client with values that are more specific than national or international averages.

Thank you very much for your time.

-Jess

Table of screening level values:

| Potential COCs | Detection Method | Residential Screening Level [pCi/g] |
|----------------|--------------------------------|-------------------------------------|
| Cs-137 | Gamma Spectroscopy | 0.113 |
| Pu-239 | Alpha Spectroscopy | 2.59 |
| Ra-226 | Gamma Spectroscopy | 1.0 above background |
| Sr-90 | Gas Flow Proportional Counting | 0.331 |
| Th-232 | Gamma Spectroscopy | 1.69 |



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Jessica Joyce

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